

FIGURE 1



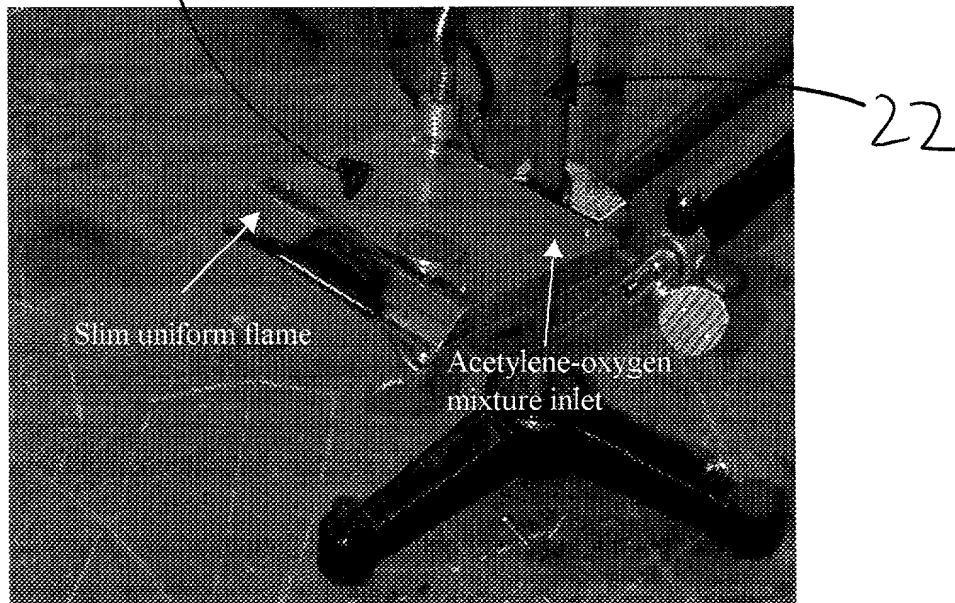
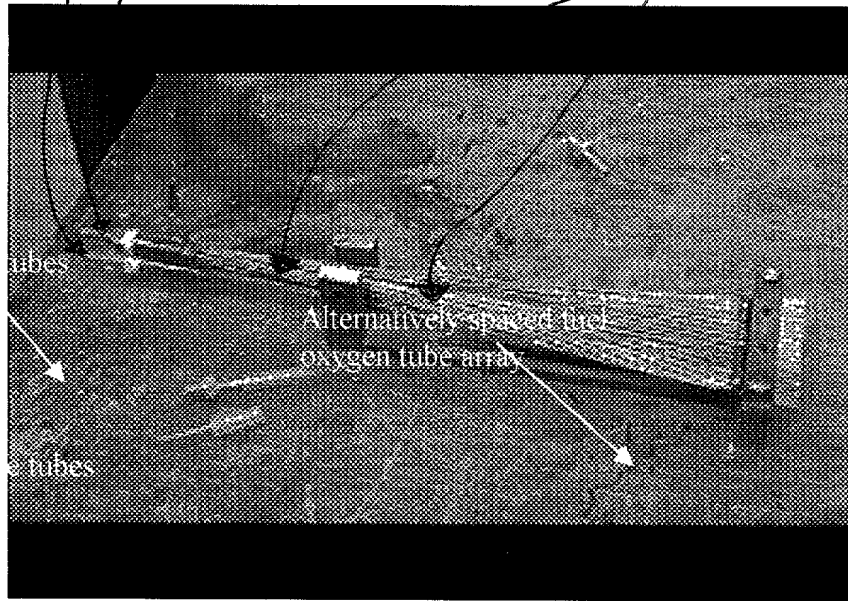
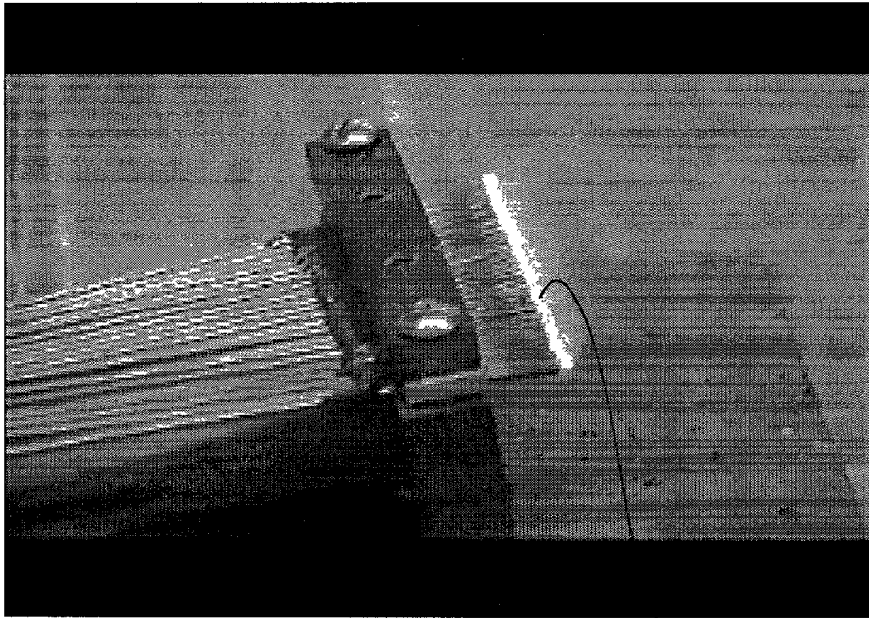


FIGURE 3



070050.1459

FIGURE 4



41

FIGURE 5

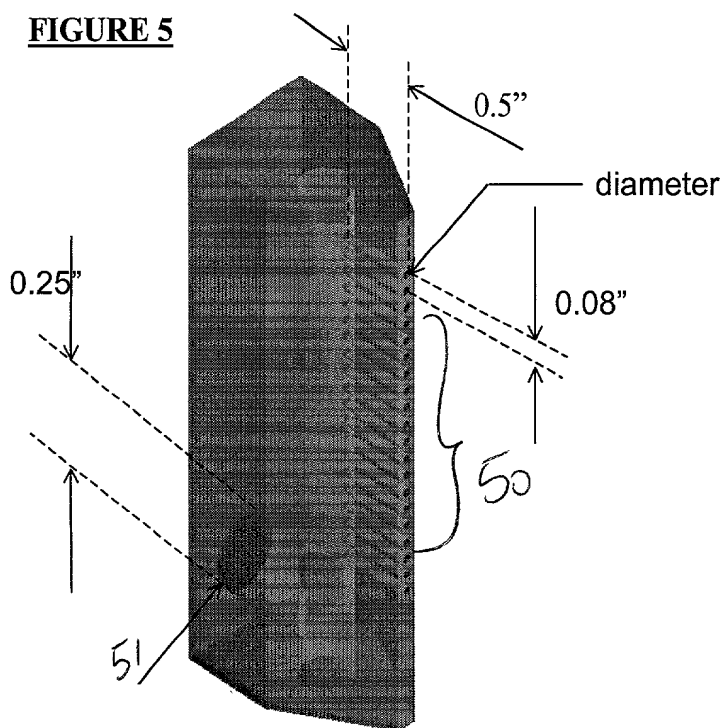


FIGURE 6

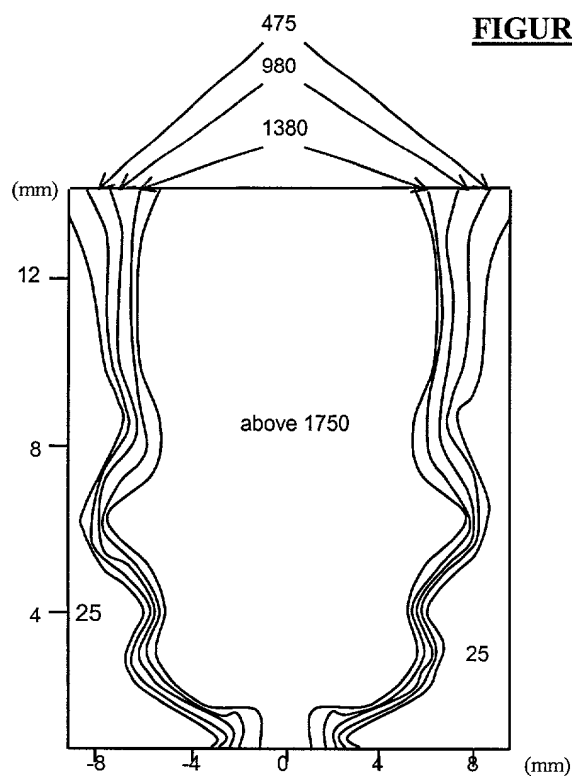


FIGURE 7

PATENT
070050.1459

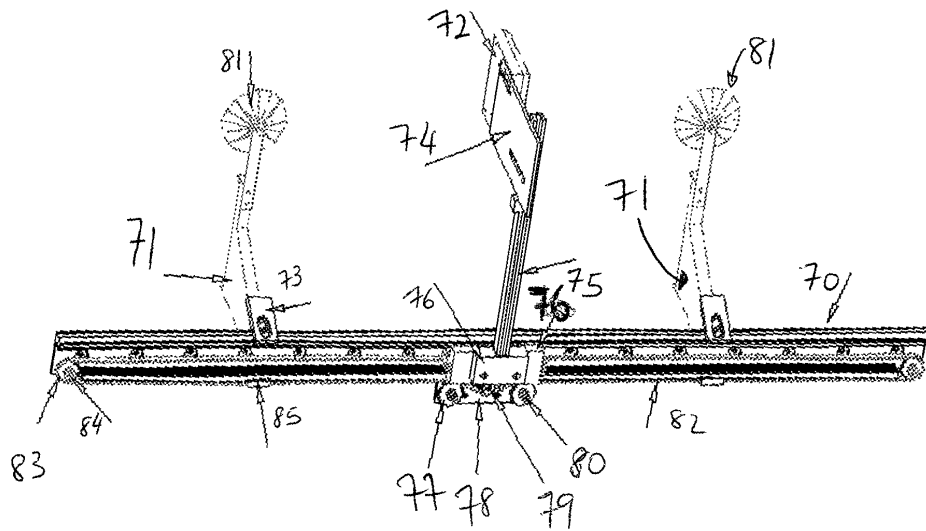
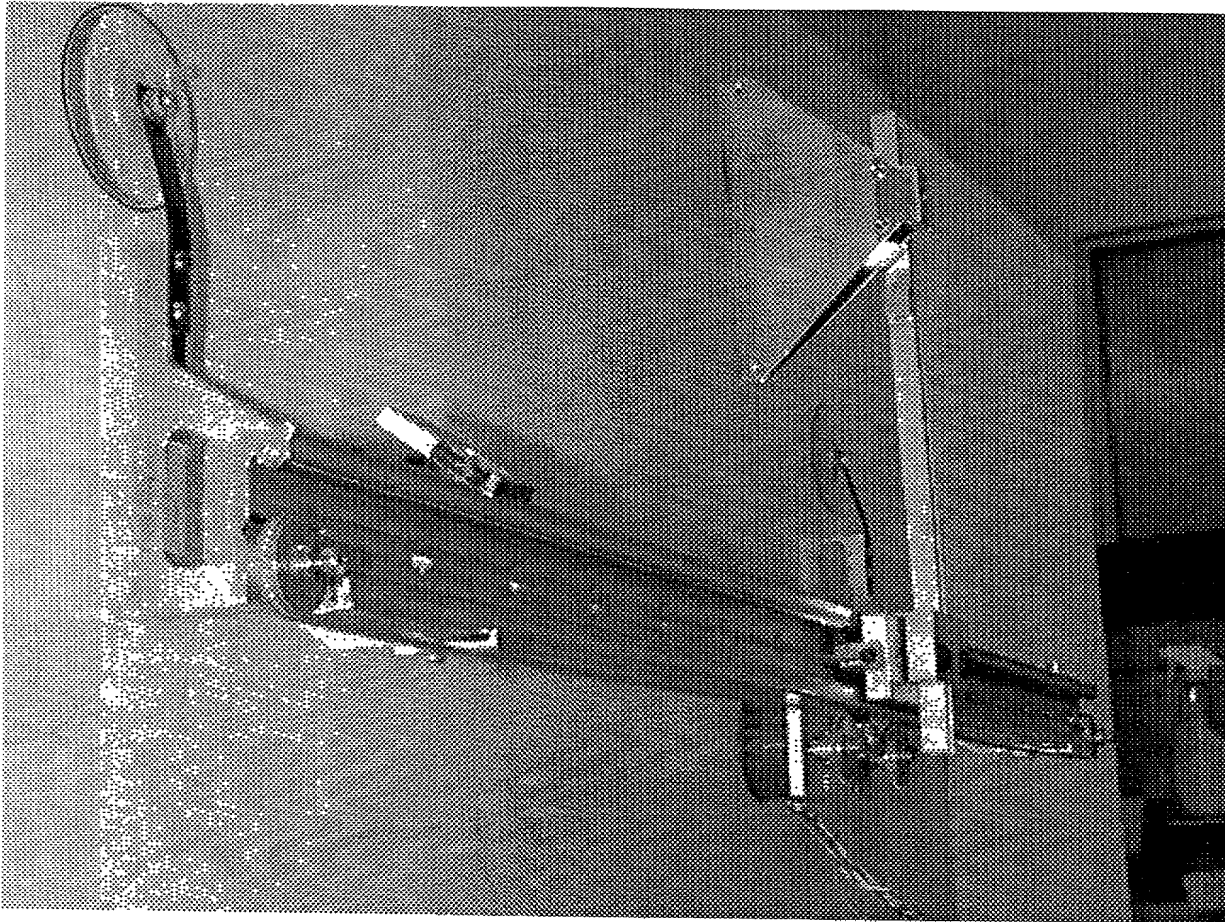


FIGURE 8



20250525001

FIGURE 9
PRIOR ART

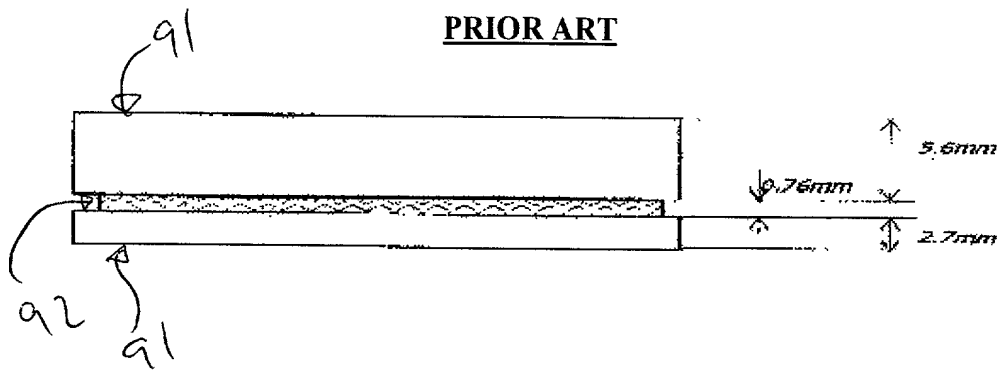
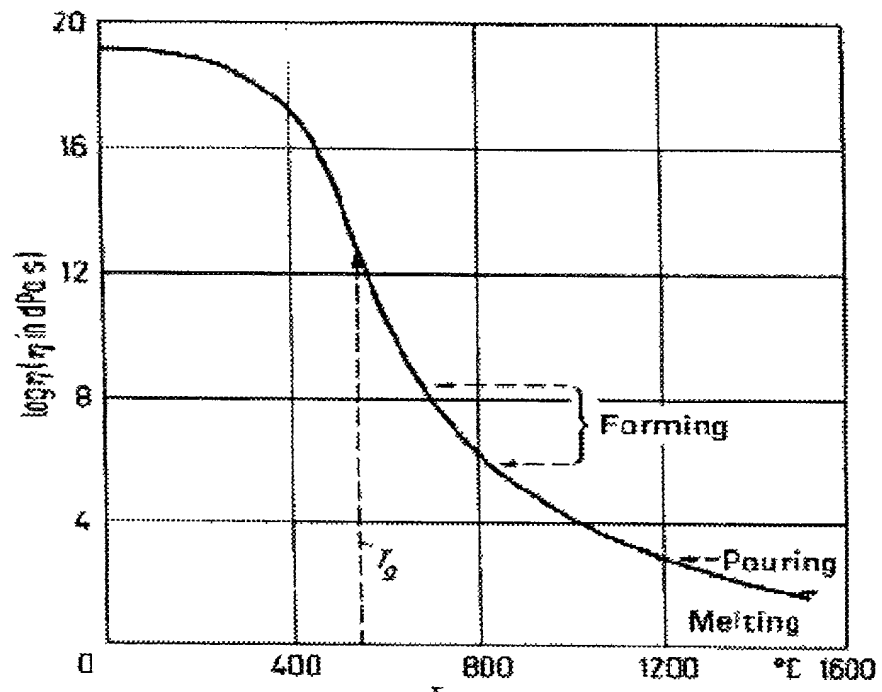


FIGURE 10



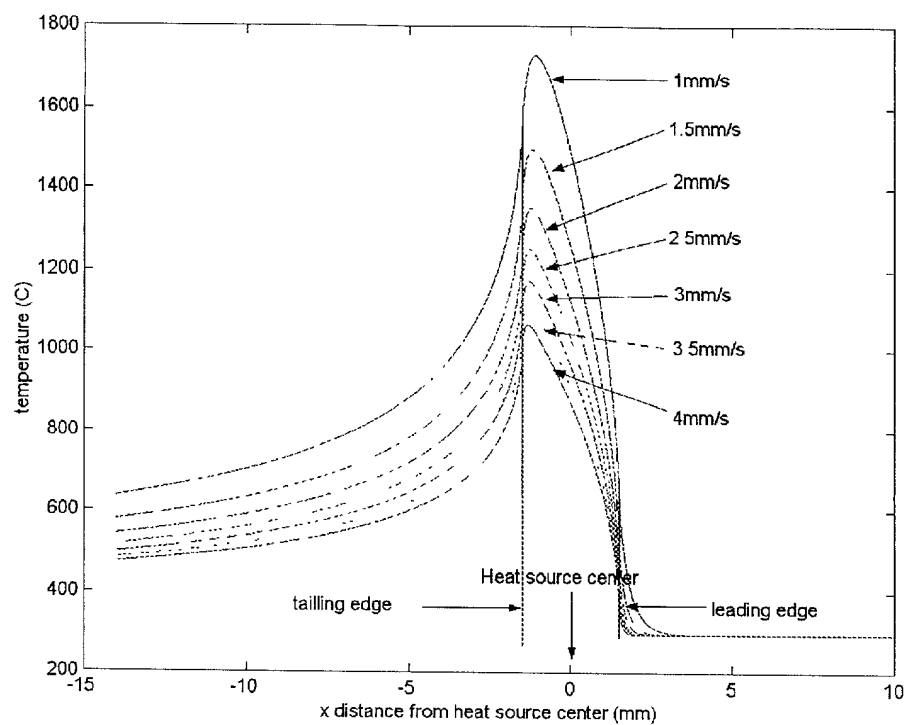


FIGURE 11

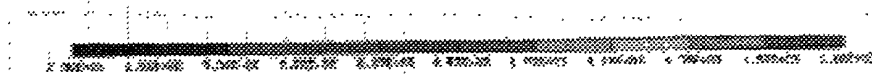
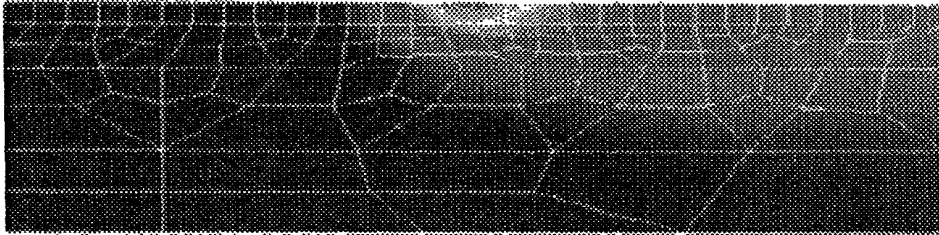
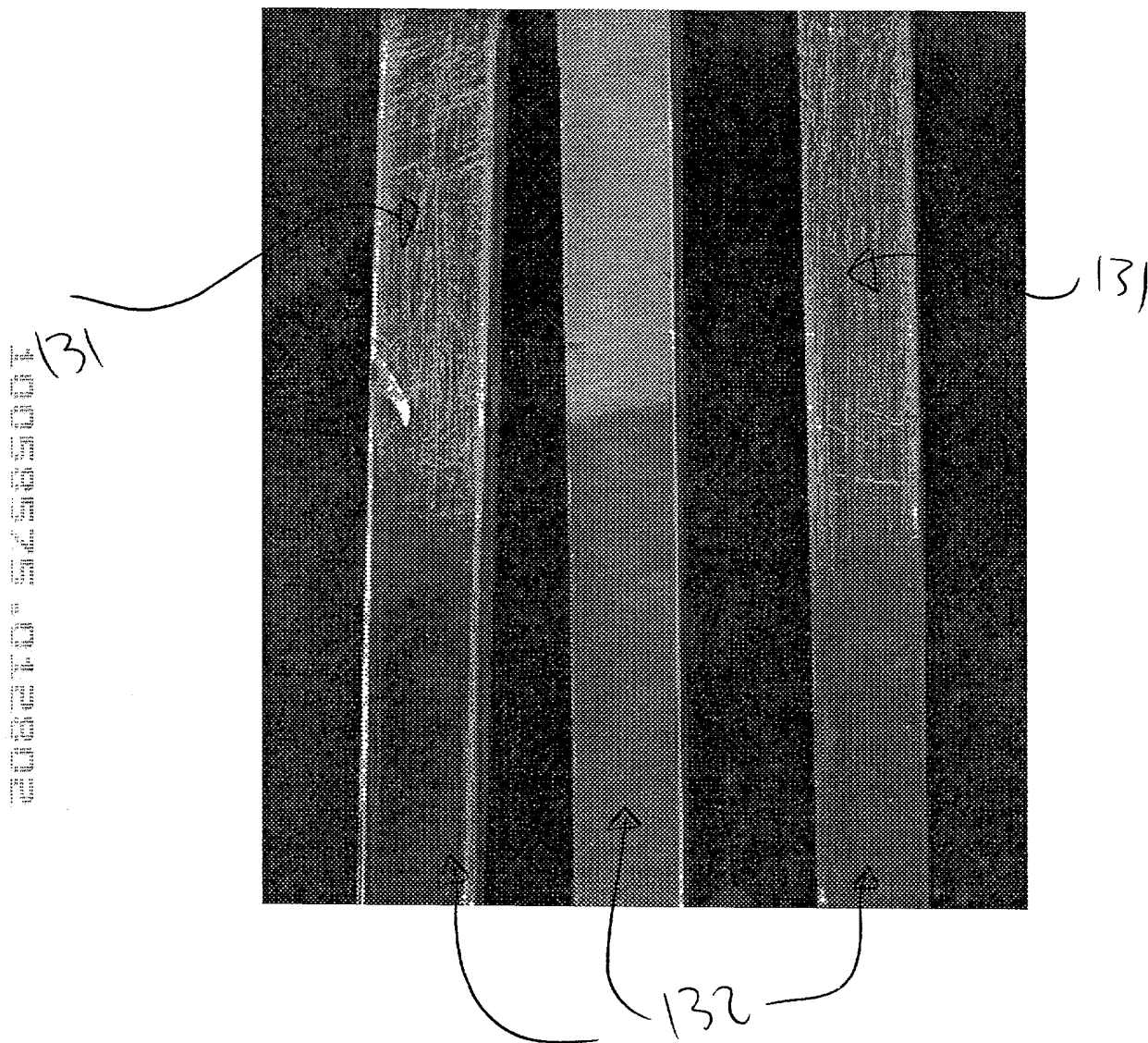


FIGURE 13



REPRESENTATIVE RESULTS OF OPTIMAL,
AND SUB-OPTIMAL, HEAT SOURCE VELOCITY
AND FUEL FLOW RATE COMBINATIONS

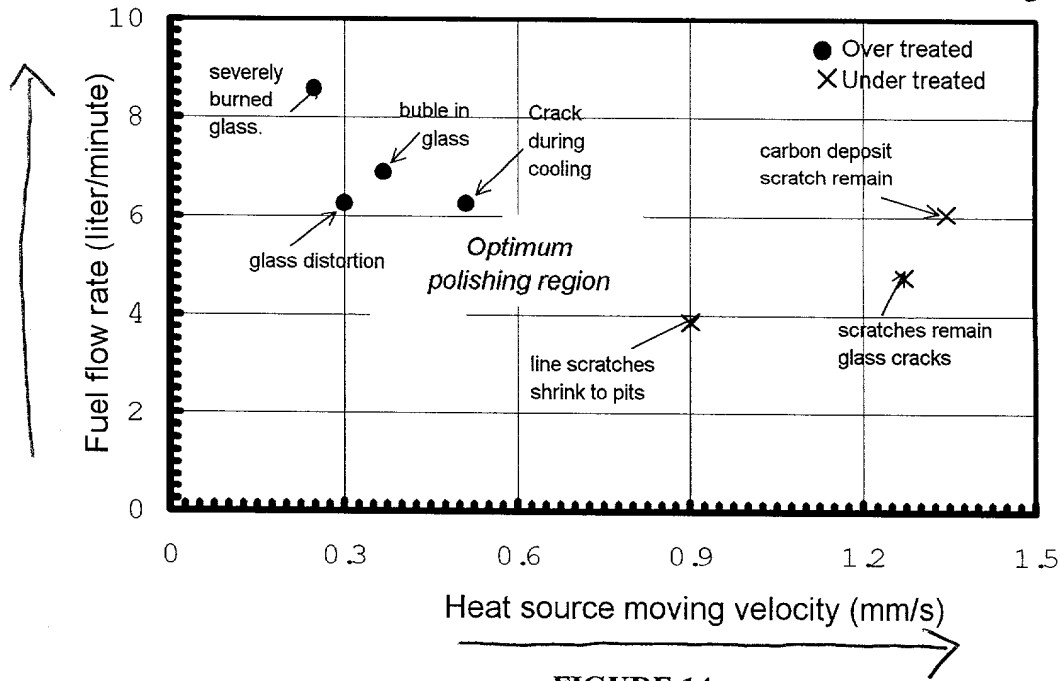


FIGURE 14

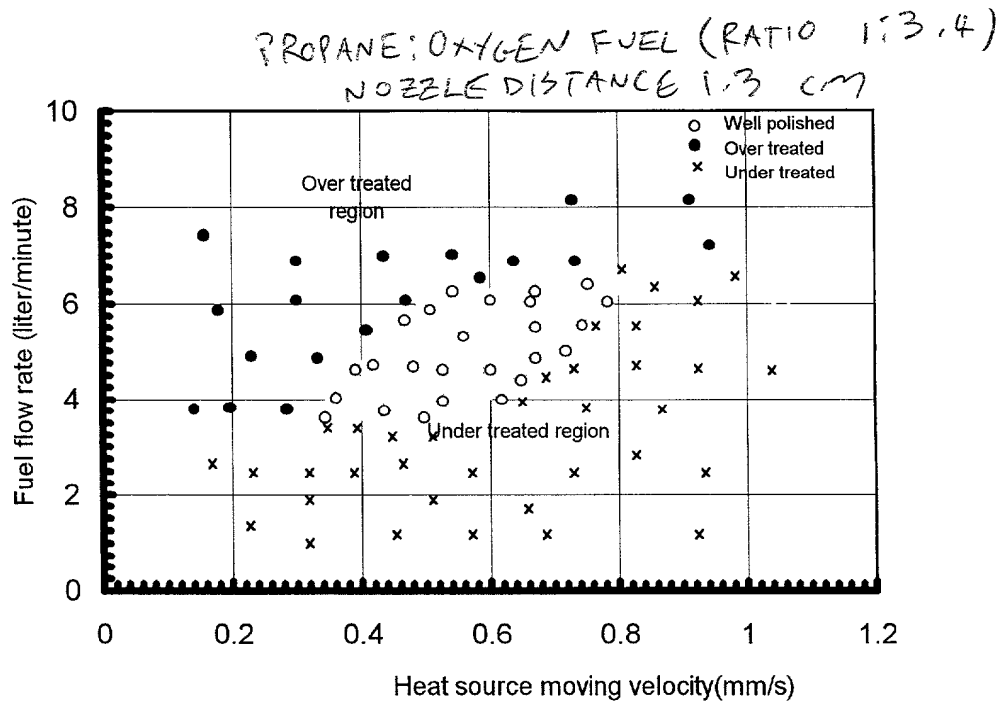


FIGURE 15

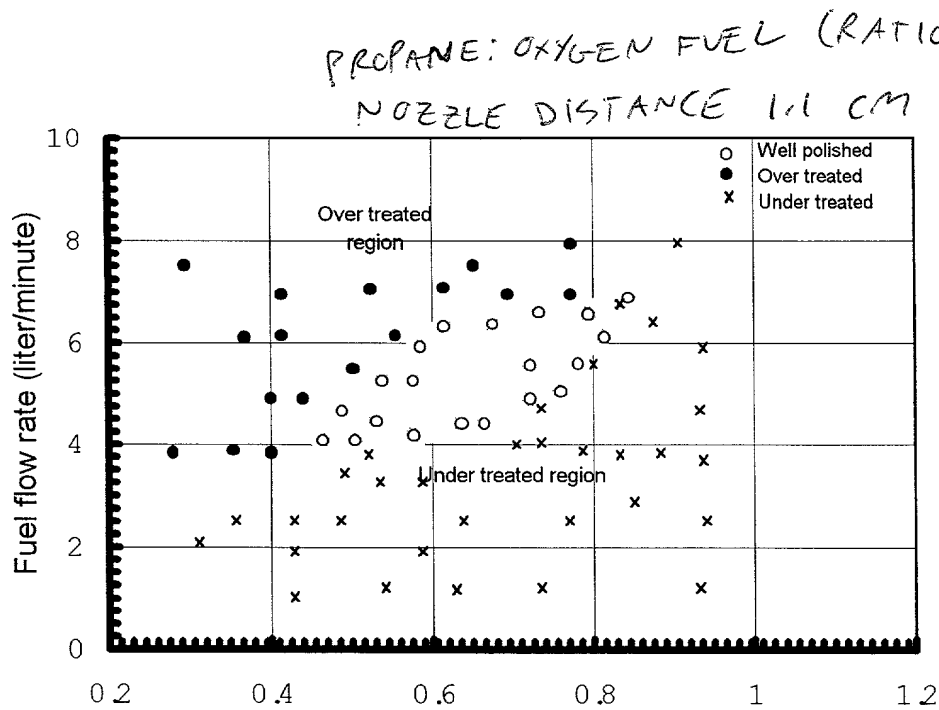


FIGURE 16

PROPANE:OXYGEN FUEL (RATIO 1:3.9)
NOZZLE DISTANCE 1.0 CM

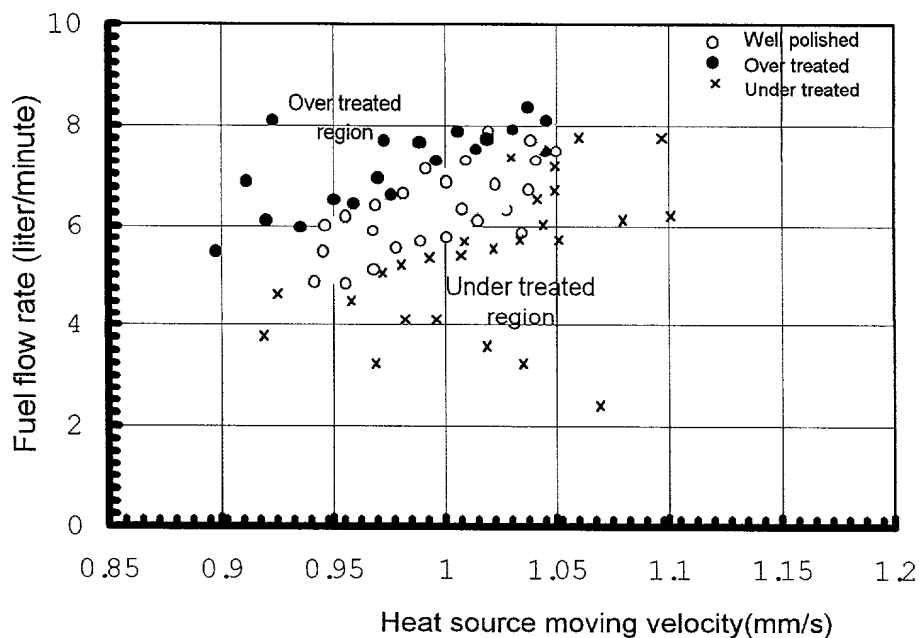


FIGURE 17

PROPANE:OXYGEN FUEL (RATIO 1:3.3)
NOZZLE DISTANCE 0.9 CM

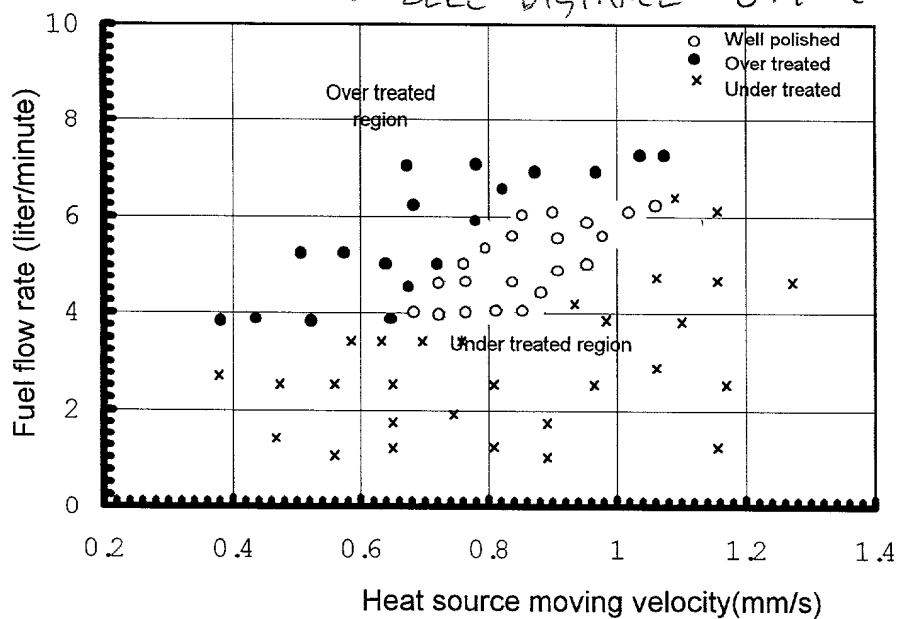


FIGURE 18

ACETYLENE:OXYGEN MIX (RATIO 1:1.2) PATENT
 NOZZLE DISTANCE 5.8 CM 070050.1459
 TILT ANGLE 2°

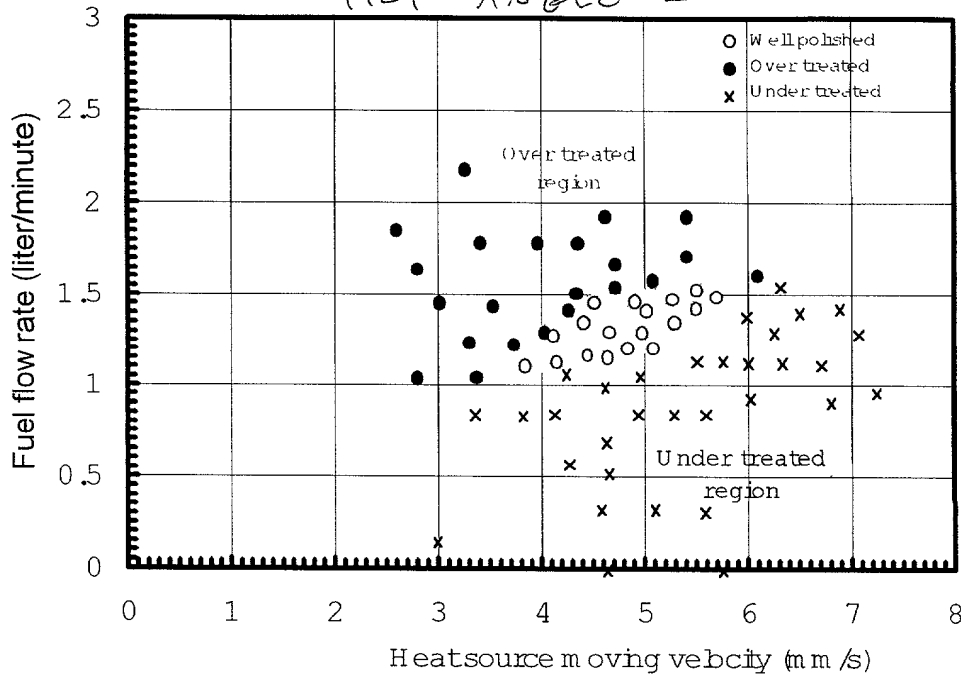


FIGURE 19

ACETYLENE:OXYGEN MIX (RATIO 1:1.2)
 NOZZLE DISTANCE 3.5 CM
 TILT ANGLE 2°

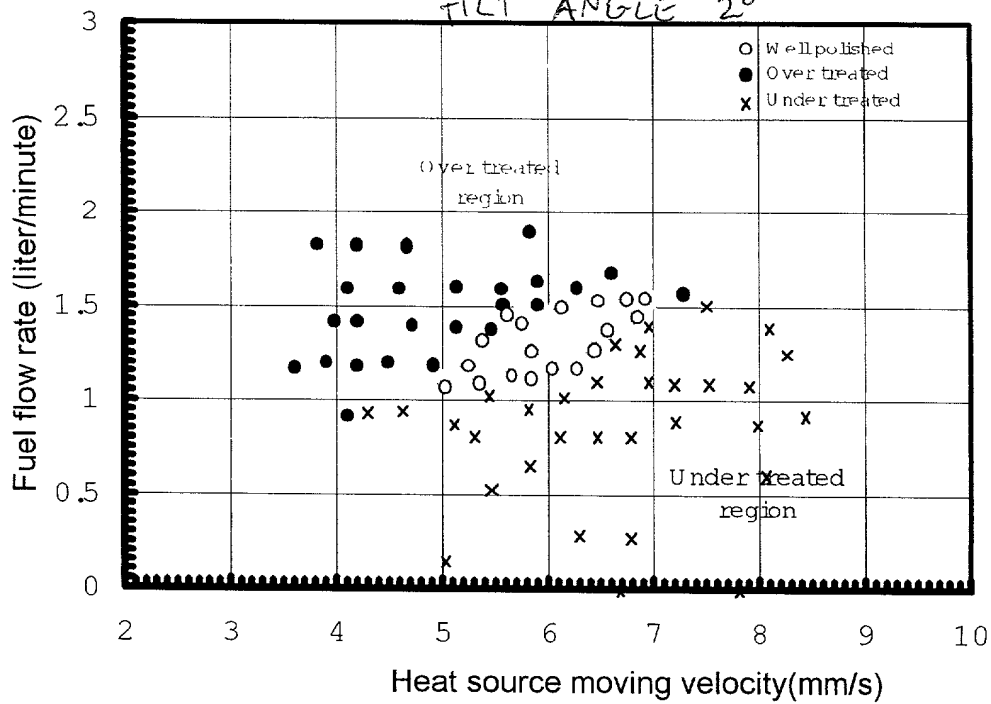


FIGURE 20